

**Re: Fw: Cement Creek-Trip Report for August 2011 field work # 1mg/kg milligrams per kilograms**

**Katharine Lima** to: Forrest.Sabrina

09/26/2011 05:48 PM

From: Katharine Lima <kncj@sbcglobal.net>  
To:  
Cc: Myers.Robert@epamail.epa.gov

---

Yes, just wanted to make sure. Thanks.

Katharine Lima

Environmental Scientist

CSC

2119 South Fourth Street

Springfield, Illinois 62703

Science, Engineering and Mission Support

| p: 217.525.8756 | [kncj@sbcglobal.net](mailto:kncj@sbcglobal.net) | [www.csc.com](http://www.csc.com)

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--- On **Mon, 9/26/11**, **Forrest.Sabrina@epamail.epa.gov** <**Forrest.Sabrina@epamail.epa.gov**> wrote:

From: Forrest.Sabrina@epamail.epa.gov <Forrest.Sabrina@epamail.epa.gov>  
Subject: Fw: Cement Creek-Trip Report for August 2011 field work # 1mg/kg milligrams per kilograms  
To: kncj@sbcglobal.net  
Cc: Myers.Robert@epamail.epa.gov  
Date: Monday, September 26, 2011, 4:34 PM

Hi Katharine, Barry answered your question below. Is that satisfactory?

Sincerely,

Sabrina Forrest  
Site Assessment Manager  
U.S. Environmental Protection Agency  
1595 Wynkoop Street, Mail Code: 8EPR-B  
Denver, CO 80202-1129  
Direct Ph: 303-312-6484  
Toll Free: 1 800-227-8917, 312-6484  
Fax: 303-312-6065  
Agency Cell: 303-589-1286

E-mail: [forrest.sabrina@epa.gov](mailto:forrest.sabrina@epa.gov)

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----- Forwarded by Sabrina Forrest/R8/USEPA/US on 09/26/2011 03:34 PM

-----

From: "Hayhurst, Barry" <[barry.hayhurst@urs.com](mailto:barry.hayhurst@urs.com)>  
To: Sabrina Forrest/R8/USEPA/US@EPA  
Cc: "Hall, Susan" <[susan.hall@urs.com](mailto:susan.hall@urs.com)>  
Date: 09/26/2011 03:31 PM  
Subject: RE: Cement Creek-Trip Report for August 2011 field work #  
1mg/kg milligrams per kilograms

Yes, per Susan Hall, all the wetlands that they identified were delineated under the 40 CFR230.3 definition of a wetland, which relies more on vegetation than soil type. Some wetlands had problematic soil type, but all had the requisite plant types as per the 40 CFR 230.3 rule.

-----Original Message-----

From: [Forrest.Sabrina@epamail.epa.gov](mailto:Forrest.Sabrina@epamail.epa.gov) [

mailto:[Forrest.Sabrina@epamail.epa.gov](mailto:Forrest.Sabrina@epamail.epa.gov)]

Sent: Monday, September 26, 2011 3:07 PM

To: Hayhurst, Barry; [barryhay01@hotmail.com](mailto:barryhay01@hotmail.com)

Subject: Fw: Cement Creek-Trip Report for August 2011 field work #  
1mg/kg milligrams per kilograms

Barry, A couple things related to the delineation. I have tried to remind you several times that the HRS minimum for wetlands to get evaluated in 0.1 mile; however, the HRS looks at total frontage. Please take a look; the preliminary results letter needs revised to look at cumulative frontage.

CSC also has a question (below). Please respond to me with that and I will forward to CSC.

Sincerely,

Sabrina Forrest  
Site Assessment Manager  
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Denver, CO 80202-1129  
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----- Forwarded by Sabrina Forrest/R8/USEPA/US on 09/26/2011 03:03 PM

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From: Katharine Lima <[kncj@sbcglobal.net](mailto:kncj@sbcglobal.net)>

To: William A Chantry <[wchantry@csc.com](mailto:wchantry@csc.com)>, Sabrina Forrest/R8/USEPA/US@EPA

Cc: Robert Myers/DC/USEPA/US@EPA

Date: 09/26/2011 02:59 PM

Subject: Re: Fw: Cement Creek-Trip Report for August 2011 field work

# 1mg/kg milligrams per kilograms

Sabrina:

Having looked through the attachments in the four emails, with specific attention to the wetlands delineation preliminary results letter, CSC would like to note the following:

- The letter states that under the HRS, only wetlands that span greater than 0.10 mile along the creek qualify for consideration. However, to achieve the scoring scenario that we discussed, each wetland does not actually need to be greater than 0.10 mile - just the cumulative total of qualifying wetlands within the zone of actual contamination.

Also, we have one question:

- The letter also states that wetlands were identified in the field according to 3 specific parameters, but appears to differentiate between field identification and what is referred to in the next statement as formal delineation. Do the Routine Determination protocol and the Delineation Manual that were used for the formal delineation also incorporate or include the 40 CFR 230.3 definition of wetlands?

Thank you.

-Katharine

Katharine Lima

Environmental Scientist  
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--- On Mon, 9/26/11, [Forrest.Sabrina@epamail.epa.gov](mailto:Forrest.Sabrina@epamail.epa.gov)  
<[Forrest.Sabrina@epamail.epa.gov](mailto:Forrest.Sabrina@epamail.epa.gov)> wrote:

From: [Forrest.Sabrina@epamail.epa.gov](mailto:Forrest.Sabrina@epamail.epa.gov)  
<[Forrest.Sabrina@epamail.epa.gov](mailto:Forrest.Sabrina@epamail.epa.gov)>  
Subject: Fw: Cement Creek-Trip Report for August 2011 field work #  
1mg/kg milligrams per kilograms  
To: [kncj@sbcglobal.net](mailto:kncj@sbcglobal.net), "William A Chantry" <[wchantry@csc.com](mailto:wchantry@csc.com)>  
Cc: [Myers.Robert@epamail.epa.gov](mailto:Myers.Robert@epamail.epa.gov)  
Date: Monday, September 26, 2011, 11:14 AM

Katharine, I am sending over the Cement Creek wetlands report and appendices in four emails. This is the first set of documents. Could you please respond to Barry question below, as it does make some sense to wait on finalizing the delineation report in case CSC has significant comments/language changes?

Sincerely,

Sabrina Forrest  
Site Assessment Manager

U.S. Environmental Protection Agency  
1595 Wynkoop Street, Mail Code: 8EPR-B  
Denver, CO 80202-1129  
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----- Forwarded by Sabrina Forrest/R8/USEPA/US on 09/26/2011 10:11 AM

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From: "Hayhurst, Barry" <[barry.hayhurst@urs.com](mailto:barry.hayhurst@urs.com)>

To: Sabrina Forrest/R8/USEPA/US@EPA

Date: 09/22/2011 01:11 PM

Subject: Cement Creek-Trip Report for August 2011 field work #  
1mg/kg  
milligrams per kilograms

This is the first email of the trip report for the August 2011 field work on Cement Creek.

This report includes wetlands, Gold King sampling, overland flow, mineralogy, etc.

This will be used as a reference in the HRS document, "draft" to be replaced by the final version when it is finalized.

I wonder if we should have the CSC folks read the wetlands report and make their suggestions for conformity to the HRS process. I can see several editorial changes that could be made, but CSC might have some specific wording they would like to see.

The analytical data has not been validated and probably will not be until Minot and the Montana raid are over in October.

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(See attached file: wetlands rpt.text.doc)(See attached file: Table 1-Source samplesmine waste.xlsx)(See attached file: Figure 1.pdf)

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